

5. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

6. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

7. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector is directly mounted to the sensor element.

8. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector is remote from the radiation sensor.

9. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector has a polygonal cross-section.

Q1
Wend

10. (Amended) The optical sensor defined in any one of claim 1, wherein the radiation collector has a generally circular cross-section.

15. (Amended) The radiation source module defined in any one of claim 11, wherein the at least one radiation source is disposed within a protective sleeve.

Q2
Gulf

16. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

17. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

18. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector is directly mounted to the sensor element.

19. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector is remote from the radiation sensor.

Q2
Cont
20. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector has a polygonal cross-section.

21. (Amended) The radiation source module defined in any one of claim 11, wherein the radiation collector has a generally circular cross-section.

Q3
Cont
26. (Amended) The radiation source assembly defined in any one of claim 22, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

27. (Amended) The radiation source assembly defined in any one of claim 22, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

28. (Amended) The radiation source assembly defined in any one of claim 22, where the radiation collector is directly mounted to the sensor element.

29. (Amended) The radiation source assembly defined in any one of claim 22, wherein the radiation collector is remote from the radiation sensor.

Q3
Wnt
30. (Amended) The radiation source assembly defined in any one of claim 22, wherein the radiation collector has a polygonal cross-section.

31. (Amended) The radiation source assembly defined in any one of claim 22, wherein the radiation collector has a generally circular cross-section.

Q4
Wnt
36. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

37. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.

38. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector is directly mounted to the sensor element.

*Py
Wid*
39. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector is remote from the radiation sensor.

40. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector has a polygonal cross-section.

41. (Amended) The fluid treatment system defined in any one of claim 32, wherein the radiation collector has a generally circular cross-section.
